

Salient procurement activities with respect to procurement of Equipment accomplished by the Procurement section, Punjab Health Systems Corporation (PHSC) in past:

- 1. Dialysis units established at 21 hospitals (19 DHs and 2 SDHs). Out of these 14 units established in 2010, 5 in 2008 and 2 in 2006. Two dialysis machine and one R.O systems supplied at each centre.**
- 2. In the year 2009, Ten new Blood Cell Separators established in addition to 7 already functioning centres. Following equipment was procured and supplied:**
 - i. High Speed Refrigerated Centrifuge (Cryofuge machine)- 10 nos**
 - ii. Deep Freezer -40 degree- 10 nos**
 - iii. Deep Freezer -80 degree- 10 nos**
 - iv. Manual Plasma Expressor- 10 nos**
 - v. Platelet Agitator with incubator- 10 nos**
- 3. In the year 2009, Six Apheresis Machines procured and supplied.**
- 4. Under the NRHM scheme, 24 Mobile Medical Units procured/got fabricated with requisite medical equipment by the PHSC in the year 2008-09. MMU comprised of following:**
 - i. Fully Air Conditioned MMU**
 - ii. High frequency X-Ray Machine**
 - iii. Automatic X-Ray film Processor**
 - iv. ECG Machine**
 - v. Semi Auto Analyzer**
 - vi. Centrifuge Machine**
 - vii. Binocular Microscope**
 - viii. Other medical equipment/instruments.**
- 5. During 2010 various medical equipment and hospital furniture items procured and supplied at various hospitals in the state of Punjab (PHCs,CHCs,SDHs and DHs) to strengthen the health care delivery systems:**
 - i. Fully Automatic Biochemistry Analyzer - 15 nos**
 - ii. Phototherapy Units- 45 nos**
 - iii. Radiant Warmers- 45 nos**
 - iv. Ophthalmoscopes- 20 nos**
 - v. Retinoscopes- 20 nos**
 - vi. Slit Lamp- 5 nos**
 - vii. Pulse Oxymeter- 60 nos**
 - viii. ECG Machine- 60 nos**
 - ix. Boyles Apparatus- 30 nos**
 - x. Semi Auto Analyzer- 22 nos**
 - xi. Elisa Reader and Elisa Washer- 10 nos**
 - xii. Surgical and Ortho Instruments-**
 - xiii. O.T Lights (Mobile)- 88 nos**
 - xiv. Autoclave (V)- 88 nos**
 - xv. Suction Apparatus (Electrical and Foot operated)- 75 nos each**
 - xvi. Furniture (Hospital beds, Trolleys, Medicine Cabinets, Wheel Chairs etc)**
 - xvii. Emergency Resuscitation Kit - 60 nos**

6. Eye Equipment like Phaco Emulsification machine, Operating Microscope and other eye equipment procured for all District Hospitals under National Programme for Control of Blindness (NPCB).
 - i. Phaco Emulsification Machine- 18 nos
 - ii. Operating Microscope- 18 nos
 - iii. Keratometer- 18 nos
 - iv. A- Scan Biometer- 18 nos

7. Eye equipment procured and supplied to Medical Colleges, Amritsar and Patiala under NPCB.
 - i. B-Scan- One
 - ii. Ophthalmic Refraction Unit - One
 - iii. Keratometer- One
 - iv. Automated Perimeter with field analyzer- One
 - v. Vitrectomy Unit- One
 - vi. Auto Refractometer- One
 - vii. Slit Lamp with Camera-Four
 - viii. Tonopen- One

8. 50 Referral Ambulances procured and supplied in year 2010 at various hospitals against old condemned ambulances.

9. In the year 2010, 81 Dental Chairs and Units and 21 RVGs supplied to strengthen Dental wings.

10. 340 Delivery tables procured and supplied in the year 2011.

11. A state of the Art 64 Slice CT Scan installed at Civil Hospital Jalandhar.

12. Radiant Warmers, Phototherapy Units, Centralized Oxygen and suction supply for SNCU at MKH Patiala and WCH Bathinda in the year 2013.

13. Equipment for Trauma Centres at Jalandhar, Amritsar and Pathankot.

14. Following equipment procured and supplied under Core Plan at various existing hospitals as well as newly upgraded/ constructed hospitals under Core plan.
 - i. Hospital Furniture (Hospital beds, Fowler beds, ICU beds, medicine Trolley, Dressing Trolleys, Instruments Trolley, Mayos trolleys, Wheel Chairs, Attendant stools, Bed side lockers, Saline stands, Medicine Almirah, Steel Almirah and Office table)
 - ii. O.T Table (Hydraulic)- 99 nos
 - iii. O.T Light (Mobile)- 117 nos
 - iv. Electric Cautery- 116 nos
 - v. Suction Apparatus (foot operated)- 197 nos
 - vi. Suction Apparatus (electrical)-261 nos
 - vii. Instrument Sterilizers (Large)- 157 nos
 - viii. Instruemnt sterlizer (Medium)- 178 nos
 - ix. Autoclave (Horizontal)- 9 nos
 - x. Autoclave (vertical)- 104 nos
 - xi. Surgical Instrument Kits
 - xii. ECG Machine- 125 nos

- xiii. Infusion pump- 60 nos
- xiv. X-Ray machines (100mA for CHCs)
- xv. X-Ray Machines (300mA for SDHs)
- xvi. Bed sheets, Mattresses
- xvii. X-Ray machine (300 mA)
- xviii. X-Ray Machine (100 mA)

15. Tender for procurement of Ice Lined Refrigerators for establishment of Blood Storage Units (BSUs) finalised in 2012. In the first phase Ice Lined Refrigerators procured and supplied at 29 hospitals for establishment of Blood Storage Units.

Important activities with respect to procurement of Equipment in process to strengthen the health care delivery systems in the Government Health Institutions in the State of Punjab.

1. Digital X-Ray:

The Government of Punjab is in process of providing CR Systems (Digital X-Ray) at all the District level Government Hospitals in the State of Punjab. The tender for the supply and installation of CR Systems is under final stage of evaluation process. The installation of CR Systems at district hospitals is expected to strengthen the Radiology services in the District Hospitals in the State and will be achievement of an important milestone for uplifting the diagnostic services in the Government Hospitals in the State

2. Dental Chairs and Units, Dental X-Ray Machines and Autoclave:

The State Government has initiated the process to strengthen and equip the Dental Wings of the various Government Hospitals in the State upto the PHC level by providing latest equipment. For this tenders for supply and installation of important Dental Equipment i.e 150 nos Dental Chairs and Units, 90 Dental X-Ray machines and 63 Autoclaves have been floated and are under final stage of evaluation process. With the installation of the aforesaid Dental Equipment, gaps at dental wings of all the Government Hospitals upto the level of Primary Health Centers will be filled and will improve Oral Health Services at Government Health Facilities / Institutions across the State of Punjab.

3. Setting up of SNCUs, NBSUs, NBCC:

For providing better Health care services for the neo nates , Sick Neonate Care units, New Born Stabilisation Units and New Born Care Corners are being established at District Hospitals , Sub-Divisional Hospitals , CHCs and PHCs. For this purpose, tenders for providing latest State of Art Neonate Care equipment were floated by the PHSC and for some of the equipment orders have already been placed , while for some equipment tenders are under final stage of evaluation process.

4. Colour Doppler:

There is a proposal to provide Colour Dopplers at all the District Hospitals in the State of Punjab. Proposal for the same has been approved in the PIP of NRHM for the year 2013-14 and very soon the tenders will be floated for the procurement of the above equipment. Installation of Colour Dopplers is expected to improve the Radiology services in the District Level Government Hospitals across the State of Punjab since many new diagnostic services for which the patients are presently being referred to the private hospitals or Medical Colleges can be provided at Government Hospitals.